

REMARKS

The application currently contains claims 1-6, 8-11, and 13-33. Claim 1 is an independent claim. Claim 1 has been amended. Claims 13-21, 23 and 25-33 were indicated as containing allowable subject matter.

CLAIM REJECTIONS UNDER 35 USC 112:

In paragraph 3 the Examiner states that claim 1 is rejected under 35 U.S.C. 112 second paragraph, as being indefinite, since the phrase "an antenna device" on line 18 is unclear.

Applicant has amended claim 1 by replacing "an" with "the respective" to clarify the claim. In view of the amendment, applicant respectfully requests reconsideration and withdrawal of the rejection.

CLAIM REJECTIONS UNDER 35 USC 103(a):

In paragraph 5 the Examiner states that claims 1-6, 8, 11 and 22 are rejected under 35 USC 103(a) as being unpatentable over Sung-Joon Moon (WO 03/013025A1) in view of Lovinggood et al (US 6,934,511) and further in view of Lastinger et al. (US 2005/0003763).

Applicant respectfully traverses. The Examiner has not shown a prima-facie case of obviousness since the teachings of Lastinger cannot be combined with Sung-Joon Moon as required by MPEP 2143.01 (V) (the proposed modification renders Sung-Joon Moon unsatisfactory for its intended purpose).

Sung-Joon Moon teaches determining the radiation pattern of the array antenna according to the amplitude and phase of the radiation pattern of each radiation element (page 7 lines 10-12) to prevent interference between the beam patterns of the coverage antenna and the link antenna (Fig. 3, page 10 line 15 to page 11 line 8).

If for the sake of argument we assume that Lastinger indeed teaches the limitation "wherein said central control unit is adapted to identify interference originating from the respective antenna device, and to instruct the coupled antenna attenuation control unit to attenuate transmissions from the interfering antenna device" as required by claim 1, and this teaching is to be combined with Sung-Joon Moon. Then Sung-Joon Moon cannot control the shape of the resulting beam patterns of the coverage antenna and the link antenna as he teaches (e.g. page 11 lines 18-19), since the amplitude and phase of the radiation elements will be

attenuated responsive to a determination by the central control unit that an antenna device is causing interference, thus resulting in a distortion of the desired beam pattern.

The beam patterns can be either controlled to achieve a desired shape or responsive to the detection of interference but not both. Therefore Lastinger cannot be combined with Sung-Joon Moon to teach all the limitations of claim 1.

Additionally, as admitted by the Examiner (page 4) Sung-Joon Moon and Lovinggood, in combination, fail to teach a central control unit for detecting and reducing interference within the indoor wireless network, and has provided Lastinger to teach this limitation

Applicant respectfully submits that Lastinger describes the identification of interference and various type of attenuation methods to prevent reception or transmission of interference, however Lastinger fails to disclose the exact limitation of claim 1 wherein the "central control unit is adapted to identify interference originating from the respective antenna device, and to instruct the coupled antenna attenuation control unit to attenuate transmissions from the interfering antenna device". Lastinger does not describe a central control unit that is adapted to perform both functions one responsive to the other. Therefore the combination of Sung-Joon Moon, Lovinggood and Lastinger lack limitations of claim 1 contrary to the requirements of MPEP 2143.03.

In view of the above explanations applicant respectfully requests reconsideration and allowance of independent claim 1.

The response refers primarily to independent claim 1. The dependent claims should be allowable at least for the reason of their dependence from an allowable independent claim.

In paragraph 6 the Examiner states that claim 9 is rejected under 35 USC 103(a) as being unpatentable over Sung-Joon Moon (WO 03/013025A1) in view of Lovinggood et al (US 6,934,511) and further in view of Lastinger et al. (US 2005/0003763), and further in view of Stewart (US 4,878,729).

In paragraph 7 the Examiner states that claim 10 is rejected under 35 USC 103(a) as being unpatentable over Sung-Joon Moon (WO 03/013025A1) in view of Lovinggood et al (US 6,934,511) and further in view of Lastinger et al. (US 2005/0003763), and further in view of Schulz et al. (US 2002/0039415).

In paragraph 8 the Examiner states that claim 24 is rejected under 35 USC 103(a) as being unpatentable over Sung-Joon Moon (WO 03/013025A1) in view of Lovinggood et al (US

6,934,511) and further in view of Lastinger et al. (US 2005/0003763), and further in view of Smith (US 2003/0021367).

As explained above Sung-Joon Moon, Lovinggood and Lastinger in combination fail to provide a prima facie case of obviousness for at least two reasons. Stewart, Schulz and Smith fail to remedy the deficiencies of Sung-Joon Moon, Lovinggood and Lastinger.

In paragraph 9 the Examiner states that claims 13-21, 23 and 25-33 are objected to and would be allowable if rewritten in independent form.

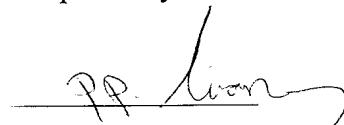
Applicant thanks the Examiner for this determination.

In view of the above amendments and explanations, applicant respectfully requests reconsideration and allowance of all the claims.

Should any additional fees be due regarding this application the Commissioner is hereby authorized to charge any additional fee to Deposit Account No. 50-4339.

Should the Examiner have any questions concerning this Response, the Examiner is respectfully requested to contact the undersigned at the telephone number listed below.

Respectfully Submitted,


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